

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P395705

Luminaire Tested: **I3-UL-40L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-UL-40L82765-1D-UNV-W2A-W-4 (6500K)
Description: CORELITE I3, OPEN TOP
4000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4219.6 lumens
Efficiency: N/A
Efficacy: 145.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

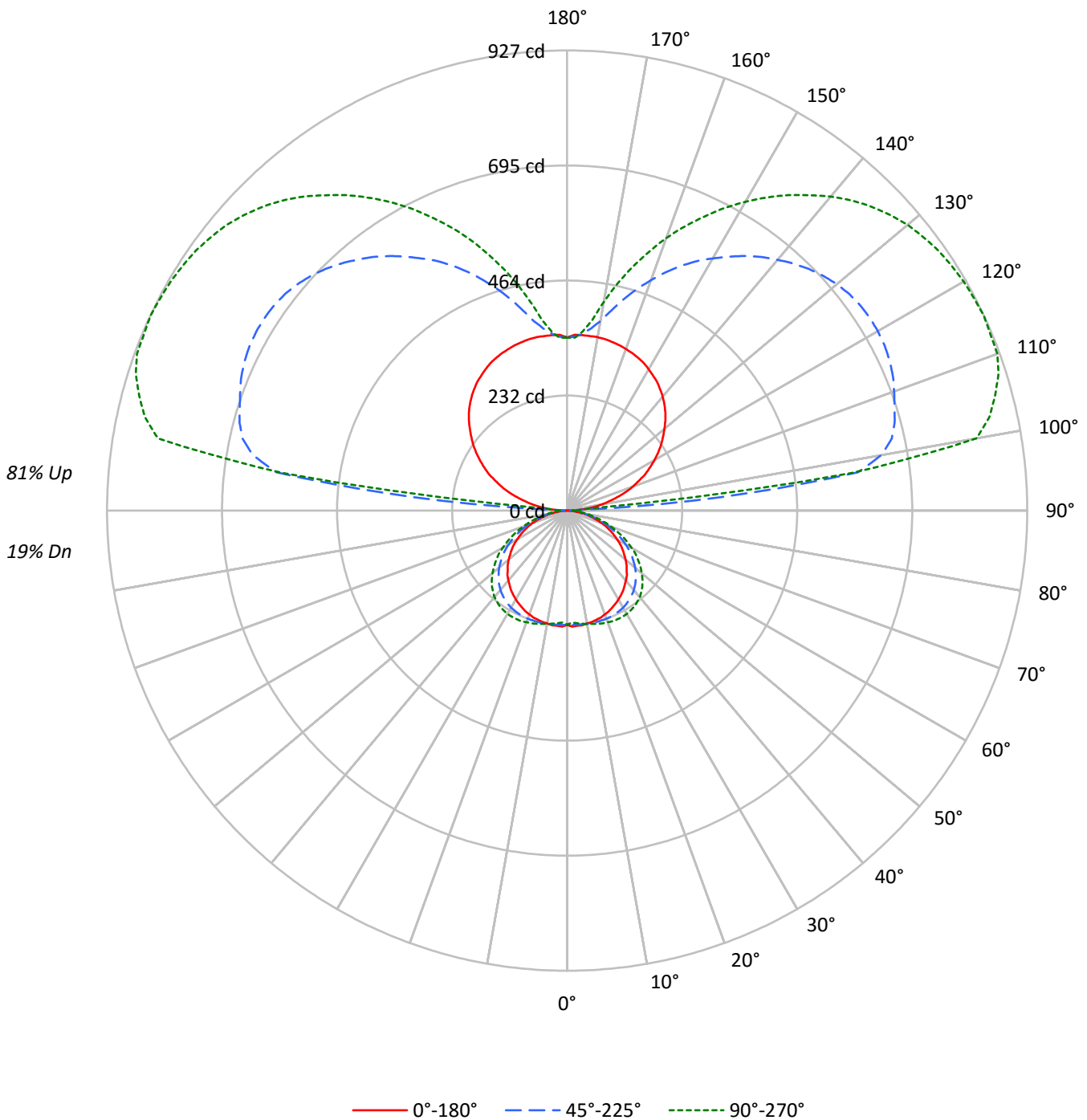
Input Watts (W): 29.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-UL-40L82765-1D-UNV-W2A-W-4 (6500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395705

CATALOG NUMBER: I3-UL-40L82765-1D-UNV-W2A-W-4 (6500K)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19				
1	91	87	83	79	80	76	73	71	58	56	54	40	39	38	24	24	23	16				
2	82	75	69	64	72	67	62	58	50	47	44	35	33	31	21	20	19	13				
3	75	66	59	53	66	58	52	48	44	40	37	31	28	26	19	17	16	11				
4	68	58	51	45	60	51	45	40	39	35	31	27	24	22	16	15	14	9				
5	63	51	44	38	55	46	39	34	35	30	26	24	21	19	15	13	12	8				
6	57	46	38	33	50	41	34	29	31	26	23	22	19	16	13	12	10	7				
7	53	41	34	28	46	37	30	25	28	23	20	20	17	14	12	10	9	6				
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5				
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5				
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	8	6	4				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1263	1263	1263
5°	1280	1245	1221
10°	1279	1236	1222
15°	1281	1232	1233
20°	1282	1237	1248
25°	1280	1240	1267
30°	1282	1242	1278
35°	1280	1236	1284
40°	1275	1226	1277
45°	1264	1201	1249
50°	1252	1162	1203
55°	1230	1105	1134
60°	1193	1025	1043
65°	1141	913	931
70°	1078	792	785
75°	935	620	630
80°	742	447	456
85°	441	259	300



TEST NUMBER: P395705

CATALOG NUMBER: I3-UL-40L82765-1D-UNV-W2A-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.0	0.5
10°-20°	65.6	1.6
20°-30°	105.5	2.5
30°-40°	135.7	3.2
40°-50°	149.1	3.5
50°-60°	140.1	3.3
60°-70°	108.9	2.6
70°-80°	62.5	1.5
80°-90°	20.0	0.5
90°-100°	269.7	6.4
100°-110°	641.0	15.2
110°-120°	643.9	15.3
120°-130°	590.5	14.0
130°-140°	493.8	11.7
140°-150°	370.6	8.8
150°-160°	241.3	5.7
160°-170°	124.2	2.9
170°-180°	35.2	0.8
0°-30°	193.1	4.6
0°-40°	328.8	7.8
0°-60°	618.0	14.6
0°-90°	809.4	19.2
90°-120°	1554.6	36.8
90°-150°	3009.5	71.3
90°-180°	3410.0	80.8
0°-180°	4219.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	230	230	230	230	230	
5°	233	231	231	230	228	22
15°	228	227	232	235	236	64
25°	215	217	230	238	241	99
35°	196	202	218	232	236	123
45°	170	178	196	210	214	131
55°	136	144	159	170	175	121
65°	96	101	110	120	123	95
75°	51	53	58	64	67	54
85°	10	12	17	22	23	12
90°	1	3	6	9	10	3
95°	36	302	310	42	35	36
105°	105	404	683	842	892	111
115°	174	456	716	871	927	171
125°	231	475	721	863	913	206
135°	280	473	688	818	866	216
145°	316	453	626	735	776	198
155°	339	416	544	623	653	157
165°	352	375	441	489	508	99
175°	355	354	358	362	362	34
180°	348	348	348	348	348	



TEST NUMBER: P395705

CATALOG NUMBER: I3-UL-40L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8
2.5°	234.0	232.9	231.9	231.9	230.9	230.9	230.9	229.8	229.8	229.8	230.9
5°	232.9	232.9	231.9	230.9	230.9	230.9	229.8	229.8	229.8	229.8	230.9
7.5°	232.9	231.9	230.9	230.9	229.8	229.8	229.8	229.8	229.8	229.8	230.9
10°	230.9	230.9	229.8	229.8	228.8	229.8	229.8	229.8	229.8	229.8	231.9
12.5°	229.8	229.8	228.8	227.7	227.7	227.7	228.8	228.8	228.8	229.8	231.9
15°	227.7	227.7	226.7	226.7	226.7	226.7	227.7	227.7	228.8	229.8	231.9
17.5°	225.7	225.7	224.6	224.6	224.6	225.7	225.7	226.7	227.7	229.8	231.9
20°	222.5	222.5	222.5	222.5	222.5	223.6	223.6	224.6	226.7	228.8	231.9
22.5°	219.4	219.4	219.4	219.4	219.4	220.5	221.5	223.6	224.6	227.7	230.9
25°	215.3	215.3	215.3	215.3	216.3	217.3	218.4	220.5	222.5	225.7	229.8
27.5°	211.1	212.1	212.1	212.1	213.2	214.2	215.3	217.3	220.5	224.6	227.7
30°	206.9	206.9	206.9	208.0	209.0	210.1	212.1	214.2	217.3	221.5	225.7
32.5°	201.7	201.7	202.8	202.8	204.9	205.9	208.0	211.1	214.2	218.4	222.5
35°	196.5	196.5	196.5	198.6	199.7	201.7	202.8	205.9	210.1	214.2	218.4
37.5°	190.3	191.3	191.3	192.4	194.5	196.5	197.6	201.7	205.9	210.1	214.2
40°	184.1	185.1	185.1	186.1	189.3	190.3	192.4	196.5	199.7	204.9	209.0
42.5°	177.8	177.8	178.9	179.9	183.0	184.1	186.1	190.3	194.5	198.6	202.8
45°	169.5	170.5	171.6	172.6	175.7	177.8	179.9	183.0	187.2	191.3	195.5
47.5°	162.2	162.2	163.3	165.3	168.5	170.5	171.6	175.7	178.9	183.0	187.2
50°	153.9	154.9	154.9	157.0	160.1	162.2	163.3	167.4	170.5	174.7	178.9
52.5°	144.5	145.6	146.6	148.7	151.8	153.9	154.9	158.1	161.2	165.3	168.5
55°	136.2	137.3	137.3	139.3	142.5	143.5	145.6	147.7	151.8	154.9	159.1
57.5°	126.9	127.9	127.9	130.0	132.1	134.1	135.2	138.3	141.4	144.5	147.7
60°	116.5	117.5	118.5	119.6	121.7	123.7	124.8	126.9	130.0	133.1	136.2
62.5°	106.1	107.1	108.2	109.2	111.3	112.3	113.4	116.5	118.5	121.7	123.7
65°	95.7	96.7	97.8	98.8	99.8	100.9	101.9	104.0	106.1	109.2	110.2
67.5°	85.3	86.3	86.3	87.4	88.4	89.4	90.5	92.6	93.6	96.7	97.8
70°	74.9	74.9	74.9	75.9	75.9	77.0	78.0	80.1	81.1	83.2	85.3
72.5°	62.4	63.4	63.4	63.4	64.5	65.5	66.6	67.6	68.6	69.7	71.8
75°	51.0	52.0	51.0	52.0	53.0	53.0	54.1	55.1	56.2	57.2	58.2
77.5°	40.6	39.5	40.6	40.6	41.6	41.6	41.6	42.6	44.7	44.7	46.8
80°	29.1	29.1	29.1	29.1	30.2	30.2	31.2	31.2	33.3	34.3	35.4
82.5°	18.7	18.7	19.8	19.8	19.8	20.8	20.8	21.8	22.9	23.9	25.0
85°	10.4	10.4	10.4	11.4	11.4	12.5	12.5	13.5	14.6	15.6	16.6
87.5°	3.1	4.2	5.2	5.2	6.2	6.2	7.3	7.3	9.4	10.4	11.4
90°	1.0	1.0	2.1	2.1	2.1	3.1	3.1	4.2	4.2	5.2	6.2
92.5°	17.7	41.6	86.3	128.9	111.3	104.0	62.4	18.7	16.6	17.7	17.7
95°	36.4	68.6	125.8	203.8	264.1	301.6	326.5	374.4	423.2	414.9	309.9
97.5°	53.0	88.4	151.8	223.6	306.8	349.4	381.6	438.8	501.2	553.2	590.7
100°	69.7	106.1	173.7	248.5	325.5	364.0	401.4	479.4	540.8	592.7	642.7
102.5°	87.4	123.7	193.4	271.4	347.3	384.8	421.2	489.8	558.4	620.8	669.7
105°	105.0	142.5	211.1	291.2	367.1	404.5	439.9	505.4	568.8	627.1	683.2
107.5°	123.7	159.1	226.7	306.8	382.7	420.1	455.5	521.0	582.4	640.6	691.5
110°	140.4	174.7	242.3	321.3	397.2	434.7	470.0	535.6	595.9	651.0	700.9



TEST NUMBER: P395705

CATALOG NUMBER: I3-UL-40L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	156.0	189.3	256.9	333.8	408.7	446.1	480.4	546.0	606.3	660.3	710.3
115°	173.7	202.8	271.4	345.3	419.1	455.5	489.8	554.3	614.6	667.6	716.5
117.5°	188.2	216.3	283.9	354.6	427.4	462.8	496.0	560.5	619.8	672.8	720.7
120°	202.8	228.8	295.3	362.9	433.6	468.0	501.2	564.7	623.9	675.9	722.7
122.5°	217.3	241.3	304.7	371.2	438.8	473.2	505.4	567.8	626.0	677.0	722.7
125°	230.9	251.7	313.0	377.5	442.0	475.2	506.4	567.8	625.0	674.9	720.7
127.5°	243.3	263.1	319.3	383.7	444.0	476.3	506.4	565.7	622.9	671.8	716.5
130°	255.8	273.5	325.5	386.8	446.1	475.2	504.4	561.6	617.7	666.6	709.2
132.5°	268.3	284.9	330.7	390.0	447.2	475.2	502.3	557.4	611.5	659.3	699.9
135°	279.7	293.3	335.9	392.0	446.1	473.2	498.1	550.1	602.1	648.9	688.4
137.5°	290.1	301.6	340.1	393.1	445.1	470.0	495.0	541.8	590.7	636.4	674.9
140°	299.5	309.9	342.1	393.1	440.9	465.9	488.8	533.5	578.2	621.9	659.3
142.5°	307.8	317.2	345.3	391.0	436.8	460.7	482.5	525.2	565.7	607.3	643.7
145°	316.1	323.4	347.3	390.0	431.6	453.4	474.2	514.8	554.3	591.7	626.0
147.5°	322.4	329.7	349.4	385.8	425.3	445.1	464.8	503.3	539.7	575.1	606.3
150°	328.6	334.9	350.5	381.6	418.0	435.7	453.4	489.8	525.2	557.4	586.5
152.5°	334.9	339.0	353.6	377.5	409.7	426.4	444.0	476.3	508.5	538.7	566.8
155°	339.0	342.1	354.6	373.3	401.4	416.0	430.5	460.7	489.8	517.9	543.9
157.5°	343.2	346.3	355.6	370.2	392.0	405.6	418.0	444.0	471.1	496.0	520.0
160°	346.3	348.4	355.6	368.1	383.7	393.1	404.5	428.4	451.3	473.2	494.0
162.5°	349.4	350.5	355.6	365.0	376.4	382.7	391.0	409.7	430.5	449.2	468.0
165°	351.5	352.5	355.6	362.9	370.2	375.4	379.6	393.1	408.7	425.3	440.9
167.5°	353.6	353.6	355.6	360.8	365.0	368.1	371.2	378.5	388.9	401.4	412.8
170°	354.6	354.6	355.6	358.8	361.9	362.9	365.0	369.2	374.4	380.6	387.9
172.5°	354.6	354.6	354.6	356.7	357.7	357.7	357.7	359.8	362.9	367.1	370.2
175°	354.6	353.6	353.6	354.6	353.6	353.6	353.6	353.6	354.6	356.7	357.7
177.5°	354.6	353.6	352.5	352.5	351.5	351.5	350.5	350.5	350.5	350.5	350.5
180°	348.4	348.4	348.4	348.4	348.4	348.4	348.4	348.4	348.4	348.4	348.4



TEST NUMBER: P395705

CATALOG NUMBER: I3-UL-40L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8
2.5°	230.9	230.9	229.8	228.8	228.8	228.8	227.7	226.7	225.7	225.7
5°	230.9	230.9	229.8	229.8	229.8	229.8	228.8	228.8	227.7	227.7
7.5°	231.9	230.9	230.9	230.9	230.9	230.9	230.9	230.9	229.8	229.8
10°	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9
12.5°	232.9	232.9	232.9	232.9	234.0	234.0	234.0	234.0	234.0	234.0
15°	232.9	234.0	235.0	235.0	235.0	236.1	236.1	236.1	236.1	236.1
17.5°	234.0	235.0	236.1	236.1	237.1	237.1	238.1	238.1	238.1	238.1
20°	234.0	235.0	236.1	237.1	238.1	238.1	239.2	240.2	240.2	239.2
22.5°	232.9	235.0	236.1	237.1	238.1	239.2	240.2	241.3	241.3	241.3
25°	231.9	234.0	236.1	238.1	238.1	239.2	241.3	241.3	241.3	241.3
27.5°	230.9	232.9	235.0	237.1	238.1	239.2	240.2	241.3	241.3	241.3
30°	228.8	231.9	234.0	236.1	237.1	238.1	239.2	240.2	240.2	240.2
32.5°	225.7	228.8	230.9	234.0	235.0	236.1	237.1	238.1	238.1	238.1
35°	222.5	225.7	227.7	230.9	231.9	232.9	235.0	235.0	236.1	236.1
37.5°	217.3	221.5	223.6	226.7	227.7	228.8	230.9	231.9	231.9	231.9
40°	212.1	216.3	218.4	221.5	222.5	223.6	225.7	226.7	227.7	227.7
42.5°	205.9	210.1	212.1	215.3	216.3	217.3	219.4	220.5	221.5	221.5
45°	199.7	202.8	204.9	208.0	210.1	210.1	212.1	213.2	214.2	214.2
47.5°	191.3	194.5	196.5	199.7	201.7	202.8	203.8	204.9	205.9	205.9
50°	182.0	185.1	188.2	190.3	192.4	192.4	194.5	195.5	196.5	196.5
52.5°	172.6	174.7	177.8	180.9	182.0	183.0	184.1	185.1	186.1	186.1
55°	162.2	164.3	167.4	169.5	170.5	171.6	172.6	173.7	174.7	174.7
57.5°	150.8	152.9	156.0	158.1	159.1	160.1	161.2	162.2	163.3	163.3
60°	138.3	140.4	143.5	145.6	146.6	146.6	148.7	149.7	149.7	149.7
62.5°	125.8	127.9	130.0	132.1	133.1	134.1	135.2	136.2	136.2	136.2
65°	113.4	115.4	117.5	118.5	119.6	119.6	120.6	121.7	122.7	122.7
67.5°	99.8	101.9	104.0	105.0	106.1	106.1	107.1	108.2	108.2	108.2
70°	86.3	87.4	89.4	90.5	91.5	91.5	93.6	93.6	93.6	93.6
72.5°	72.8	73.8	75.9	77.0	78.0	78.0	79.0	80.1	80.1	80.1
75°	60.3	61.4	62.4	64.5	64.5	64.5	65.5	66.6	66.6	66.6
77.5°	47.8	48.9	49.9	51.0	52.0	52.0	53.0	54.1	54.1	54.1
80°	36.4	37.4	38.5	39.5	39.5	40.6	40.6	41.6	41.6	41.6
82.5°	26.0	27.0	28.1	29.1	30.2	30.2	31.2	32.2	32.2	31.2
85°	17.7	19.8	20.8	21.8	21.8	21.8	22.9	23.9	23.9	22.9
87.5°	12.5	12.5	13.5	14.6	14.6	15.6	15.6	16.6	16.6	16.6
90°	7.3	7.3	8.3	8.3	9.4	9.4	9.4	10.4	10.4	10.4
92.5°	17.7	17.7	18.7	18.7	18.7	18.7	19.8	19.8	19.8	19.8
95°	189.3	85.3	71.8	43.7	41.6	36.4	35.4	36.4	36.4	35.4
97.5°	635.4	680.1	708.2	721.7	705.1	687.4	667.6	664.5	637.5	577.2
100°	685.3	720.7	755.0	778.9	788.3	796.6	815.3	826.7	831.9	837.1
102.5°	710.3	747.7	777.9	808.0	820.5	831.9	848.6	862.1	867.3	871.4
105°	732.1	770.6	803.9	830.9	842.3	852.7	869.4	881.8	891.2	892.2
107.5°	737.3	777.9	815.3	848.6	862.1	873.5	893.3	902.6	911.0	911.0
110°	746.7	785.1	819.5	849.6	863.1	876.6	897.4	912.0	920.3	922.4



TEST NUMBER: P395705

CATALOG NUMBER: I3-UL-40L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	753.9	793.5	825.7	855.8	867.3	879.8	899.5	913.0	920.3	923.4
115°	760.2	798.7	830.9	859.0	871.4	883.9	903.7	915.1	923.4	926.6
117.5°	764.3	801.8	834.0	860.0	873.5	883.9	902.6	915.1	923.4	924.5
120°	765.4	802.8	834.0	860.0	871.4	882.9	901.6	914.1	922.4	922.4
122.5°	765.4	801.8	833.0	857.9	868.3	878.7	896.4	911.0	918.2	918.2
125°	761.2	797.6	827.8	852.7	863.1	872.5	891.2	904.7	912.0	913.0
127.5°	755.0	790.3	820.5	845.4	855.8	864.2	883.9	896.4	903.7	904.7
130°	746.7	782.0	811.1	835.0	845.4	854.8	871.4	885.0	893.3	895.4
132.5°	737.3	770.6	799.7	822.6	833.0	841.3	857.9	871.4	878.7	881.8
135°	725.9	757.1	785.1	808.0	818.4	826.7	842.3	855.8	863.1	866.2
137.5°	711.3	741.5	768.5	791.4	800.7	809.1	824.6	837.1	843.4	847.5
140°	694.7	722.7	750.8	771.6	781.0	789.3	802.8	816.3	822.6	825.7
142.5°	677.0	705.1	730.0	750.8	759.1	767.5	781.0	793.5	799.7	800.7
145°	658.3	685.3	708.2	727.9	735.2	743.5	756.0	768.5	774.7	775.8
147.5°	637.5	662.4	684.3	703.0	711.3	717.5	729.0	740.4	746.7	747.7
150°	613.5	636.4	656.2	674.9	682.2	688.4	700.9	711.3	717.5	718.6
152.5°	590.7	612.5	629.1	645.8	653.1	659.3	669.7	680.1	686.3	687.4
155°	566.8	586.5	603.1	616.7	622.9	629.1	637.5	646.8	652.0	653.1
157.5°	541.8	560.5	575.1	587.5	593.8	599.0	606.3	614.6	617.7	619.8
160°	514.8	530.4	542.8	555.3	560.5	565.7	573.0	579.2	583.4	584.4
162.5°	485.6	499.2	509.6	521.0	524.1	528.3	535.6	541.8	544.9	546.0
165°	455.5	468.0	477.3	486.7	488.8	491.9	497.1	503.3	505.4	507.5
167.5°	425.3	435.7	442.0	450.3	453.4	455.5	460.7	464.8	466.9	468.0
170°	396.2	403.5	408.7	414.9	416.0	419.1	422.2	426.4	427.4	427.4
172.5°	373.3	376.4	379.6	381.6	382.7	383.7	385.8	386.8	386.8	386.8
175°	358.8	360.8	360.8	361.9	361.9	361.9	361.9	361.9	361.9	361.9
177.5°	350.5	350.5	350.5	349.4	349.4	349.4	349.4	348.4	348.4	348.4
180°	348.4	348.4	348.4	348.4	348.4	348.4	348.4	348.4	348.4	348.4

(END OF REPORT)